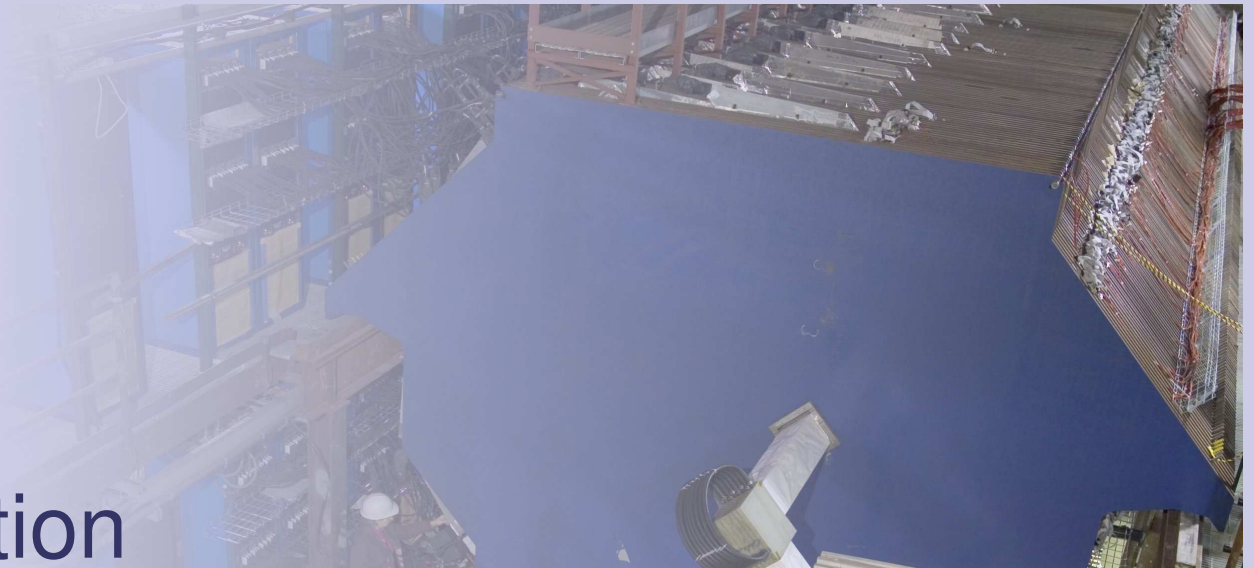
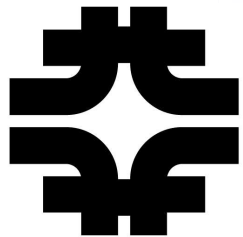


NuMI-MINOS status report

Phil Adamson
Fermilab Accelerator Division

for the
MINOS collaboration





Detectors

P. Adamson
Accelerator Division
Fermilab

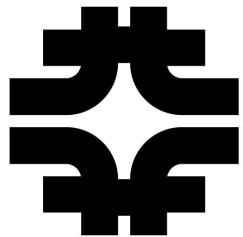
Far Detector:

- ▷ 99.5% uptime, no issues.

Near Detector:

- ▷ 64.7% uptime.
- ▷ Down on Wed for DAQ computer replacement and LCW heat exchanger flush
- ▷ On turn-on, water leak killed coil PS
- ▷ Replacement just finished, but to overlap downtimes also doing:
 - ⇒ Welding on detector face to install Ar vent for T962
 - ⇒ Installation of second LCW heat exchanger to compensate for warmer sump water
 - ⇒ Work finishes tomorrow, detector up Wednesday.

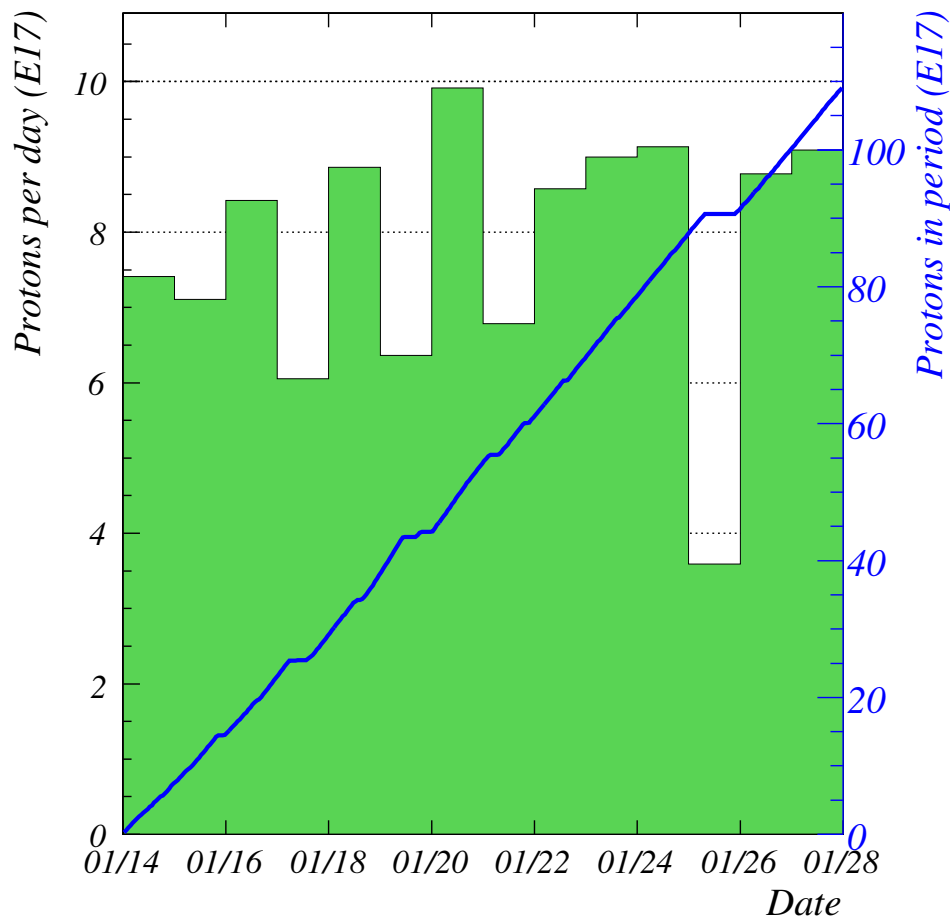




Protons

P. Adamson
Accelerator Division
Fermilab

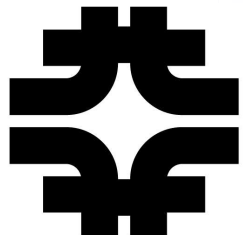
2 Weeks to 00:00 Monday 28 January 2008



- ▷ 5.5×10^{18} protons each week
- ▷ Real gains from 11-batch slip-stacking
- ▷ Improvement is around 10% vs best before the long shutdown
- ▷ Good weeks in spite of downtime

Target Hall:

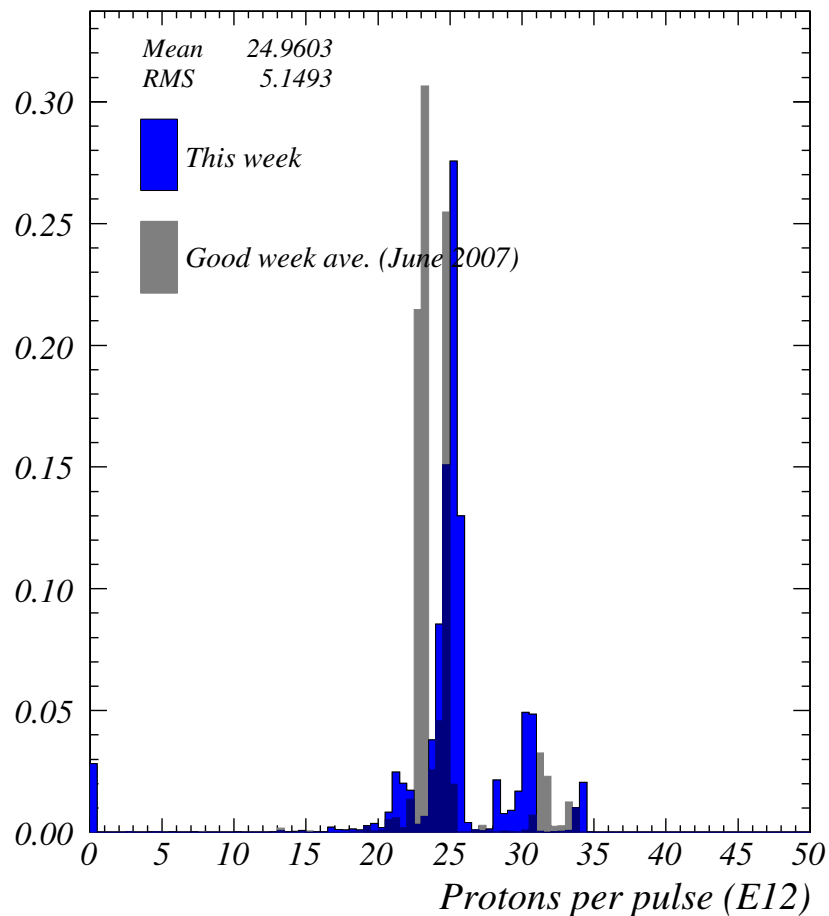
- ▷ Will access in Wednesday scheduled downtime
 - ⇒ Turn down pressure on leaking Horn 2 cooling line



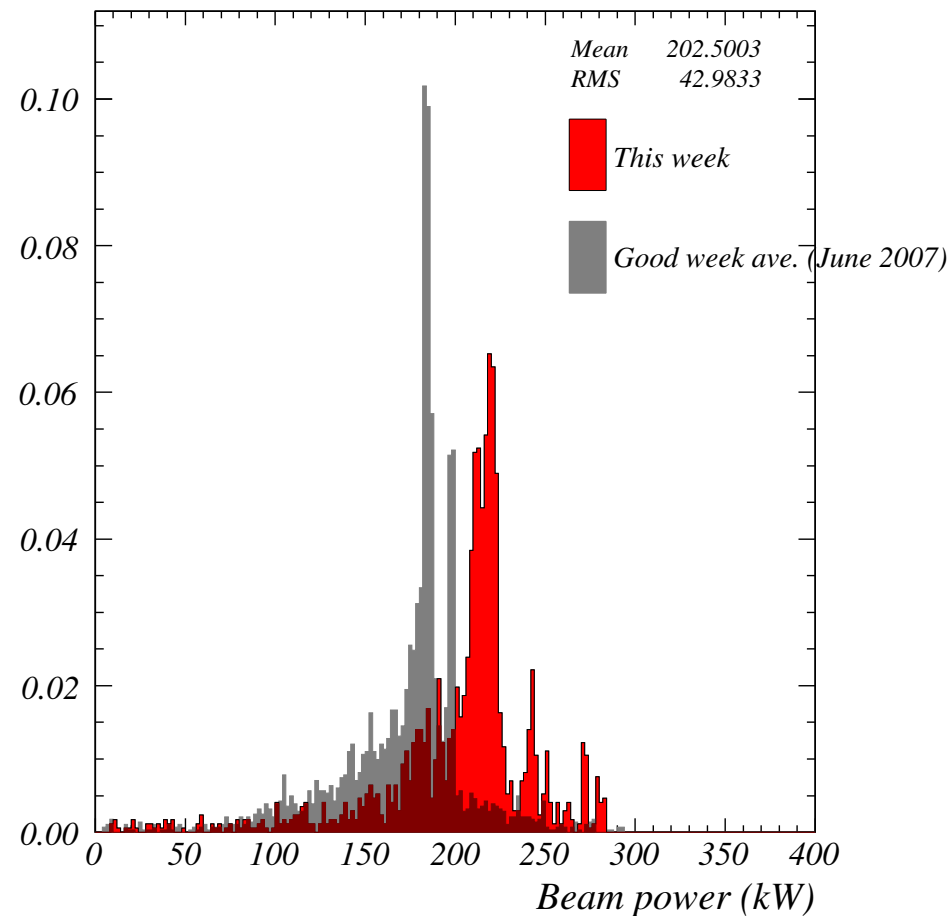
In detail...

P. Adamson
Accelerator Division
Fermilab

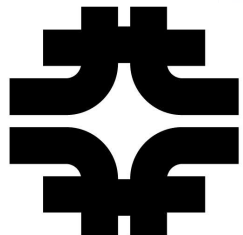
2 Weeks ending 00:00 Monday 28 January 2008



2 Weeks ending 00:00 Monday 28 January 2008



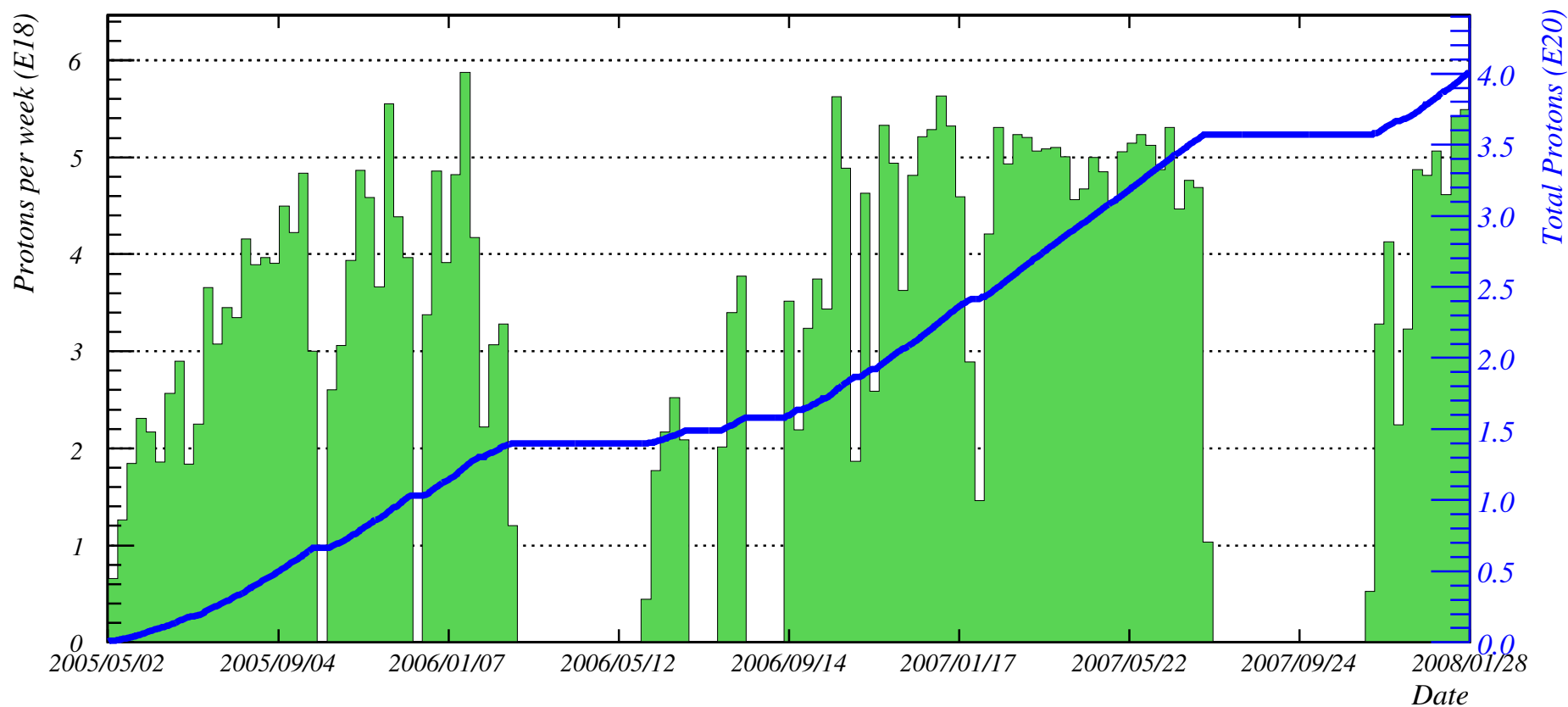
► Consistently running 7 booster turns in 11-batch mode



Protons

P. Adamson
Accelerator Division
Fermilab

Total NuMI protons to 00:00 Monday 28 January 2008



▷ Exceeded 4×10^{20} integrated protons delivered